

Atty. Docket No.: 74324-297204

PATENT

AMENDMENTIn the Claims:Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Original) A method of producing a template for use in pre-contouring bone reconstruction plates, the method comprising:
 - receiving medical image data representing surrounding portions of a patient's anatomy to be repaired by surgical implantation of a bone reconstruction plate;
 - performing three-dimensional surface reconstruction based on the medical image data;
 - performing virtual removal of a bone or portion thereof to be reconstructed with reference to the medical image data by simulating the surgical implantation procedure;
 - creating a representation of a template contoured to fit the patient's anatomy to be repaired; and
 - outputting a replica of the template by using Solid Freeform Fabrication manufacturing techniques.